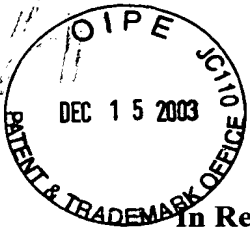


Image

DOCKET NO.: BMS-2442/DM-7007

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Shuang Liu

Confirmation No.: Not Yet Assigned

Application No.: 10/663,090

Group Art Unit: Not Yet Assigned

Filing Date: September 15, 2003

Examiner: Not Yet Assigned

For: MACROCYCLIC CHELANTS FOR METALLOPHARMACEUTICALS

DATE OF DEPOSIT: December 11, 2003

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

*Elizabeth A. McLoud*

TYPED NAME: Elizabeth A. McLoud

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date

of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of **\$180.00** as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;  
or

☐ The fee of **\$180.00** as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of **\$180.00** as set forth in § 1.17(p).

☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

- ☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- ☒ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

EXCEPT THAT:

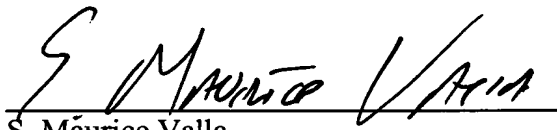
- ☒ In view of the voluminous nature of references 3, 4, 6, 19, 20, 21, 43, , and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☒ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
  - ☒ Copies of references **53, 72-75** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. **09/660,377**, filed **September 12, 2000**.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

- ☐ The relevance of those listed references which are not in the English language is as follows:
- ☒ There are no listed references which are not in the English language.

Date:

12/11/03

  
S. Maurice Valla  
Registration No. 43,966

WOODCOCK WASHBURN LLP  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. BMS-2442/ DM-7007 DIV		Application No. 10/663,090	
	Applicant Shuang Liu			
	Filing Date September 15, 2003		Group Not Yet Assigned	
	Confirmation No. Not Yet Assigned			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>				
	1	Arap, W., et al., "Cancer treatment by targeted drug delivery to tumor vasculature in a mouse model," <i>Science</i> , January 16, 1998, 279, 377-380		
	2	Berning, D.E., et al., "Chemical and biomedical motifs of the reactions of hydroxymethylphosphines with amines, amino acids, and model peptides," <i>J. Am. Chem. Soc.</i> , 1999, 121, 1658-1664		
*	3	Bodanszky, "Peptide Chemistry: A Practical Textbook," <i>Springer-Verlag, New York</i> , 1988		
*	4	Bodanszky, et al., "The Practice of Peptide Synthesis," <i>Springer-Verlag, New York</i> , 1984		
	5	Bousquet, J.-C., et al., "Gd-DOTA: characterization of a new paramagnetic complex," <i>Radiology</i> , March 1988, 166(3), 693-698		
*	6	Brinkley, M., <i>Bioconjugate Chem.</i> , 1992		
	7	Burgess, K., et al., Synthesis and solution conformation of cyclo[RGDRGD]: a cyclic peptide with selectivity for the $\alpha V\beta 3$ receptor," <i>J. Med. Chem.</i> , 1996, 39, 4520-4526		
	8	Burke, T.R., Jr., "Protein-tyrosine kinase inhibitors," <i>Drugs of the Future</i> , 1992, 17(2), 119-131		
	9	Chang, C.-J., et al., "Protein-tyrosine kinase inhibition: mechanism-based discovery of antitumor agents," <i>J. of Nat. Prod.</i> , November 1992, 55(11), 1529-1560		
	10	Cheung, S.T., et al., "N-methylamino acids in peptide synthesis. V. The synthesis of N-tert-butyloxycarbonyl,N-methylamino acids by N-methylation," <i>Can. J. Chem.</i> , 1977, 55, 906-910		
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>		

\* Copies of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. BMS-2442/ DM-7007 DIV	Application No. 10/663,090
		Applicant Shuang Liu	
		Filing Date September 15, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	11	Corbett, J.W., et al., "Solid-phase synthesis of a selective $\alpha_3\beta_1$ integrin antagonist library," <i>Biorg. &amp; Med. Chem. Letts.</i> , <b>1997</b> , 7(11), 1371-1376	
	12	Cosic, I., et al., "In vitro inhibition of the actions of basic FGF by a novel 16 amino acid peptide," <i>Molecular and Cell. Biochem.</i> , <b>1994</b> , 130, 1-9	
	13	DeGrado, W.F., et al., "Polymer-bound oxime esters as supports for solid-phase peptide synthesis. Preparation of protected peptide fragments," <i>J. Org. Chem.</i> , <b>1980</b> , 45, 1295-1300	
	14	Dougher, A.M., et al., "Identification of a heparin binding peptide on the extracellular domain of the KDR VEGF receptor," <i>Growth Factors</i> , <b>1997</b> , 14, 257-268	
	15	Fischman, A.J., et al., "Infection imaging with technetium-99m-labeled chemotactic peptide analogs," <i>Semin. Nuc. Med.</i> , April <b>1994</b> , 24(2), 154-168	
	16	Freidinger, R.M., et al., "Synthesis of 9-fluorenylmethyloxycarbonyl-protected N-alkyl amino acids by reduction of oxazolidinones," <i>J. Org. Chem.</i> , <b>1983</b> , 48, 77-81	
	17	Fry, D.W., "Protein tyrosine kinases as therapeutic targets in cancer chemotherapy and recent advances in the development of new inhibitors," <i>Exp. Opin. Invest. Drugs</i> , <b>1994</b> , 3(6), 577-595	
	18	Gho, Y.S., et al., "Development of antiangiogenin peptide using a phage-displayed peptide library," <i>Cancer Research</i> , September 1, <b>1997</b> , 57, 3733-3740	
*	19	Greene, "Protective Groups in Organic Synthesis," <i>John Wiley &amp; Sons, New York</i> , <b>1981</b>	
*	20	Greene, "The Peptides: Analysis, Synthesis, Biology," <i>Academic Press, New York</i> , <b>1981</b> , Vol. 3	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

\* Copies of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. BMS-2442/ DM-7007 DIV	Application No. 10/663,090
		Applicant Shuang Liu	
		Filing Date September 15, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
*	21	Gross, et al. (Eds.), "The Peptides: Analysis, Synthesis, Biology," <i>Academic Press, New York, 1980-1987, Vol. 1, 2, 3, 5, and 9</i>	
	22	Hartman, G.D., et al., "Non-peptide fibrinogen receptor antagonists. 1. Discovery and design of exosite inhibitors," <i>J. Med. Chem.</i> , <b>1992</b> , <i>35</i> , 4640-4642	
	23	Haubner, R., et al., "Stereoisomeric peptide libraries and peptidomimetics for designing selective inhibitors of the $\alpha_v\beta_3$ integrin for a new cancer therapy," <i>Angew. Chem. Int. Ed. Engl.</i> , <b>1997</b> , <i>36</i> , 1374-1389	
	24	Jardines, L., et al., "neu(c-erbB-2/HER2 and the epidermal growth factor receptor (EGFR) in breast cancer," <i>Pathobiology</i> , <b>1993</b> , <i>61</i> , 268-282	
	25	Kolinski, R.A., et al., "Ring inversion in polycyclic tetraamines," <i>Tetrahedron Letts.</i> , <b>1981</b> , <i>22(23)</i> , 2217-2220	
	26	Maier, L., et al., "Organische phosphorverbindungen 72 Herstellung und eigenschaften von bis(N-hydroxycarbonylmethylamino-methyl)phosphinsäure, (HO <sub>2</sub> CCH <sub>2</sub> NHCH <sub>2</sub> ) <sub>2</sub> P(O)OH, und derivaten," <i>Phosphorus and Sulfur</i> , <b>1980</b> , <i>8</i> , 67-72 (English abstract )	
	27	Margerstadt, M., et al., "Gd(DOTA): An alternative to Gd(DTPA) as a T <sub>1,2</sub> relaxation agent for NMR imaging or spectroscopy," <i>Magn. Reson. Med.</i> , <b>1986</b> , <i>3</i> , 808-812	
	28	Märkl, V.G., et al., "1,5-diaza-3,7-diphospha-cyclooctane," <i>Tetrahedron Letts.</i> , <b>1980</b> , <i>21</i> , 1409-1412	
	29	Merrifield, R.B., "Solid phase peptide synthesis, I. The synthesis of a tetrapeptide," <i>J. Am. Chem. Soc.</i> , <b>1963</b> , <i>85</i> , 2149-2154	
	30	Nanda, K.K., et al., "Magneto-structure correlations in macrocyclic dinicke(II) complexes: tuning of spin exchange by varying stereochemistry and auxiliary ligands," <i>Inorg. Chem.</i> , <b>1994</b> , <i>33</i> , 1188-1193	
EXAMINER		DATE CONSIDERED	

\* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. BMS-2442/ DM-7007 DIV	Application No. 10/663,090
		Applicant Shuang Liu	
		Filing Date September 15, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	31	Ortega, N., et al., "Systemic activation of the vascular endothelial growth factor receptor KDR/flk-1 selectively triggers endothelial cells with an angiogenic phenotype," <i>Amer. J. of Pathol.</i> , November 1997, 151(5), 1215-1224	
	32	Osapay, G., et al., "synthesis of tyrocidine A: use of oxime resin for peptide chain assembly and cyclization," <i>Tetrahedron Letts.</i> , 1990, 31(43), 6121-6124	
	33	Pierschbacher, M.D., et al., "Influence of stereochemistry of the sequence Arg-Gly-Asp-Xaa on binding specificity in cell adhesion," <i>J. of Biol. Chem.</i> , December 25, 1987, 262(36), 17294-17298	
	34	Remington's Pharmaceutical Sciences, 17 <sup>th</sup> Ed., <i>Mack Publishing Co., Easton, PA</i> , 1985, page 1418	
	35	Rewcastle, G.W., et al., "Tyrosine kinase inhibitors. 5. Synthesis and structure – activity relationships for 4-[(phenylmethyl)amino]- and 4-(phenylamino)quinazolines as potent adenosine 5'-triphosphate binding site inhibitors of the tyrosine kinase domain of the epidermal growth factor receptor," <i>J. Med. Chem.</i> , 1995, 38, 3482-3487	
	36	Roberts, D.C., et al., "Unusual amino acids in peptide synthesis," <i>The Peptides Analysis, Synthesis, Biology</i> , Gross, E., et al. (Eds.), 1983, Vol. 5, Chap. 6, 341-449	
	37	Runge, V.M., et al., "MR imaging of rat brain glioma: Gd-DTPA versus Gd-DOTA," <i>Radiology</i> , 1988, 166, 835-838	
	38	Senger, D.R., et al., "Angiogenesis promoted by vascular endothelial growth factor: regulation through $\alpha_1\beta_1$ and $\alpha_2\beta_1$ integrins," <i>Proc. Natl. Acad. Sci. USA</i> , December 1997, 94, 13612-13617	
	39	Singh, P.R., et al., "Transition metal chemistry of main group hydrazides. Part 3: Carboxylate appended phosphorus hydrazides as novel functionalized chelating systems. Synthesis and characterization of new cyclometallaphosphohydrazides. X-ray structure of a palladium(II) representative," <i>Inorg. Chem.</i> , 1994, 33, 736-741	
	40	Singh, P.R., et al., "Transition metal chemistry of main group hydrazides, Part 14: Evaluation of new Tc-99m chelates of thiol functionalized phosphorus hydrazides," <i>Nucl. Med. Biol.</i> , 1995, 22(7), 849-857	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	





<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. BMS-2442/ DM-7007 DIV	Application No. 10/663,090
		Applicant Shuang Liu	
		Filing Date September 15, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	41	Soker, S., et al., "Inhibition of vascular endothelial growth factor (VEGF)-induced endothelial cell proliferation by a peptide corresponding to the exon 7-encoded domain of VEGF <sub>165</sub> ," <i>J. of Biol. Chem.</i> , <b>1997</b> , 272(50), 31582-31588	
	42	Srivatsa, S.S., et al., "Selective $\alpha_v\beta_3$ integrin blockade potently limits neointimal hyperplasia and lumen stenosis following deep coronary arterial stent injury: evidence for the functional importance of integrin $\alpha_v\beta_3$ and osteopontin expression during neointimal formation," <i>Cardiovascular Res.</i> , <b>1997</b> , 36, 408-428	
*	43	Steward, et al., "Solid Phase Peptide Synthesis," 2 <sup>nd</sup> ed., <i>Pierce Chemical Co.</i> , Rockford, IL, <b>1984</b>	
	44	Taliaferro, C.H., et al., "New multidentate ligands. 22. <i>N,N'</i> -dipyridoxylethylenediamine- <i>N,N'</i> -diacetic acid: a new chelating ligand for trivalent metal ions," <i>Inorg. Chem.</i> , <b>23</b> , 1188-1192	
	45	Thompson, A.M., et al., "Tyrosine kinase inhibitors. 13. Structure – activity relationships for soluble 7-substituted 4-[(3-bromophenyl)amino]pyrido[4,3- <i>d</i> ]pyrimidines designed as inhibitors of the tyrosine kinase activity of the epidermal growth factor receptor," <i>J. Med. Chem.</i> , <b>1997</b> , 40, 3915-3925	
	46	Tramotini, M., et al., "Tetrahedron Report Number 271," <i>Tetrahedron</i> , <b>1990</b> , 1791-1827	
	47	Tramotini, M., "Advances in the Chemistry of mannich bases," <i>Synthesis</i> , December <b>1976</b> , 703-775	
	48	Tran, T.-A., et al., "A novel RGD containing dodecapeptidomimetic which exhibits selective binding to the $\alpha_v\beta_3$ receptor," <i>Bioorg. &amp; Med. Chem. Lett.</i> , <b>1997</b> , 7(8), 997-1002	
	49	Varga, T.R., "Synthesis of bis(aminomethyl)-phosphinic acids via a mannich reaction," <i>Synthetic Communication</i> , <b>1997</b> , 27(17), 2899-2903	
	50	Weisman, G.R., et al., "Tetracyclic tetraamines by glyoxal-macrocyclic tetraamine condensation," <i>Tetrahedron Letts.</i> , <b>1980</b> , 21, 335-338	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

\* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. BMS-2442/ DM-7007 DIV	Application No. 10/663,090
		Applicant Shuang Liu	
		Filing Date September 15, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	51	Wu, P.-L., et al., "1-acyl-2-alkylhydrazines by the reduction of acylhydrazones," <i>Synthesis</i> , April 1995, 435-438	
	52	Yayon, A., et al., "Isolation of peptides that inhibit binding of basic fibroblast growth factor to its receptor from a random phage-epitope library," <i>Proc. Natl. Acad. Sci. USA</i> , November 1993, 90, 10643-10647	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No. BMS-2442/ DM-7007 DIV		Application No. 10/663,090	
				Applicant Shuang Liu			
				Filing Date September 15, 2003		Group Not Yet Assigned	
				Confirmation No. Not Yet Assigned			
<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	<b>53</b>	5,730,787	03/24/98	Kasai			
	<b>54</b>	4,427,646	01/24/84	Olexa, et al.	424	1.1	
	<b>55</b>	4,578,079	03/25/86	Ruoslahti, et al.	623	11	
	<b>56</b>	4,792,525	12/20/88	Ruoslahti, et al.	435	240.243	
	<b>57</b>	5,086,069	02/04/92	Klein, et al.	514	399	
	<b>58</b>	5,087,440	02/11/92	Cacheris, et al.	424	9	
	<b>59</b>	5,155,215	10/13/92	Ranney	534	16	
	<b>60</b>	5,217,705	06/08/93	Reno, et al.	424	1.1	
	<b>61</b>	5,270,030	12/14/93	Vogel, et al.	424	9	
	<b>62</b>	5,277,892	01/11/94	Rhodes	424	1.69	
	<b>63</b>	5,279,812	01/18/94	Krstenansky, et al.	424	1.1	
	<b>64</b>	5,536,814	07/16/96	Ruoslahti, et al.	530	329	
	<b>65</b>	5,766,591	06/16/98	Brooks, et al.	424	184.1	
	<b>66</b>	5,767,071	06/16/98	Palladino, et al.	514	11	
	<b>67</b>	5,770,565	06/23/98	Cheng, et al.	514	11	
	<b>68</b>	5,780,426	07/14/98	Palladino, et al.	514	9	
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. BMS-2442/ DM-7007 DIV	Application No. 10/663,090
	Applicant Shuang Liu	
	Filing Date September 15, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	69	5,792,444	08/11/98	Fischman, et al.	424	1.69
	70	5,879,657	03/09/99	DeGrado, et al.	424	1.69
	71	5,880,281	03/09/99	Argese, et al.	540	474

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	X 72	WO 88/07048	09/22/88	PCT		
	X 73	WO 94/03464	02/17/94	PCT		
	X 74	WO 94/26275	11/24/94	PCT		
	X 75	WO 95/28968	11/02/95	PCT		
	76	WO 89/05150	06/15/89	PCT		
	77	WO 89/10135	11/02/89	PCT		

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No. BMS-2442/ DM-7007 DIV		Application No. 10/663,090	
				Applicant Shuang Liu			
				Filing Date September 15, 2003		Group Not Yet Assigned	
				Confirmation No. Not Yet Assigned			
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Country	Translation		
					YES	NO	
—	78	WO 90/00178	01/11/90	PCT			
—	79	WO 90/03391	04/05/90	PCT			
—	80	WO 90/15818	12/27/90	PCT			
—	81	WO 91/01331	02/07/91	PCT			
—	82	WO 91/15515	10/17/91	PCT			
—	83	WO 92/13572	08/20/92	PCT			
—	84	WO 93/12819	07/08/93	PCT			
—	85	WO 93/17719	09/16/93	PCT			
	86	WO 93/23085 ✓	11/25/93	PCT			
	87	WO 94/00489 ✓	01/06/94	PCT			
	88	WO 94/05269 ✓	03/17/94	PCT			
	89	WO 95/14726 ✓	06/01/95	PCT			
	90	WO 98/15295 ✓	04/16/98	PCT			
	91	0 398 143 A1 ✓	11/22/90	EPO			
	92	0 410 537 A1 ✓	01/30/91	EPO			
	93	0 410 541 A1 ✓	01/30/91	EPO			
	94	0 422 937 A1 ✓	04/17/91	EPO			
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. BMS-2442/ DM-7007 DIV	Application No. 10/663,090
	Applicant Shuang Liu	
	Filing Date September 15, 2003	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	95	0 422 938 A1 ✓	4/17/91	EPO		
	96	0 425 212 A3 ✓	05/02/91	EPO		
	97	0 478 328 B1 ✓	04/01/92	EPO		
	98	226,849 A1 ✓	01/08/25	Great Britain		
	99	2 225 579 A	06/06/90	Great Britain		

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------